

Notice of Allowability

Application No.

09/676,422

Examiner

Syed J. Ali

Applicant(s)

KIMELMAN ET AL.

Art Unit

2195

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the after-final amendment filed Oct. 6, 2005.
2. ☒ The allowed claim(s) is/are 1-3, 5-14, 16-22, and 24-28, renumbered as claims 1-25.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.


Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☒ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☒ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☒ to Paper No./Mail Date Dec. 15, 2003.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____
7. ☒ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____


MENGAL T. ALI
PATENT EXAMINER
2195

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

2. **The application has been amended as follows:**

-- In the specification --

a. Replace the paragraph on page 1, line 5 as follows:

The present application is related to U.S. Patent Application No. 09/676,423 entitled "MACHINE CUT TASK IDENTIFICATION FOR EFFICIENT PARTITION AND DISTRIBUTION" to Rajan et al., now issued as U.S. Patent No. 6,823,510; U.S. Patent Application No. 09/676,425 entitled "NET ZEROING FOR EFFICIENT PARTITION AND DISTRIBUTION" to Roth et al., now issued as U.S. Patent No. 6,862,731; and U.S. Patent Application No. 09/676,424 entitled "DOMINANT EDGE IDENTIFICATION FOR EFFICIENT PARTITION AND DISTRIBUTION" to Wegman et al., now issued as U.S. Patent No. 6,817,016 all filed coincident herewith and assigned to the assignee of the present invention.

b. Replace the paragraph on page 13, line 1 as follows:

Preferably, however, the linear complexity methods employed in step 1706 include U.S. Patent Application No. 09/676,423 entitled "MACHINE CUT TASK IDENTIFICATION FOR EFFICIENT PARTITION AND DISTRIBUTION" (Machine Cut) to Rajan et al., now issued as U.S. Patent No. 6,823,510; U.S. Patent Application No. 09/676,425 entitled "NET ZEROING FOR EFFICIENT PARTITION AND DISTRIBUTION" (Zeroing) to Roth et al., now issued as U.S. Patent No. 6,862,731; and U.S. Patent Application No. 09/676,424 entitled "DOMINANT EDGE IDENTIFICATION FOR EFFICIENT PARTITION AND DISTRIBUTION" (Dominant Edge) to Wegman et al., now issued as U.S. Patent No. 6,817,016, filed coincident herewith, assigned to the assignee of the present invention and incorporated herein by reference. Most preferably, in step 1708 the Dominant Edge method is used first, followed by Zeroing and then, by the Machine Cut method. This reduction may involve collapsing edges (Dominant Cut and Machine Cut) or reducing edge weights (Zeroing) and then collapsing edges. To reach a solution more quickly, on each pass through step 1706, only nodes and edges of a subgraph that were adjacent to areas reduced previously in step 1708 are rechecked.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Syed J. Ali whose telephone number is (571) 272-3769. The examiner can normally be reached on Mon-Fri 8-5:30, 2nd Friday off.

Art Unit: 2195

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Meng-Ai T. An can be reached on (571) 272-3756. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Syed Ali
October 22, 2005



MENG-AL T. AN
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER